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TITLE : FINE COLORED GRANULE OF CHITOSAN

ABSTRACT : PURPOSE: To obtain granules useful as a base material for cosmetic, having excellent light resistance, alkali resistance, acid resistance and good adaptability to the skin free from collapse of shape, by making chitosan granules crosslinked with a bifunctional reagent include a colorant.

CONSTITUTION: Chitosan granules are crosslinked with a bifunctional reagent [e.g. hexamethylenediisocyanate, alkylbis-(2,3-epoxypropyldialkylammonium halide) or glutaraldehyde] usually in water or a polar solvent to give granules, which are sufficiently blended with a colorant in water. The prepared dispersed suspension is spray-dried in a high-temperature atmosphere to give the aimed granules. Cobalt titanate, ultramarine blue, Red 201 or chlorophyll is preferable as the colorant. When the granules are used as a base material for cosmetic, chitosan having 1~100 μ m particle diameter is used and preferably 0.01~1pt.wt. very fine powder of titanium oxide having 0.01~0.05 μ m particle diameter is added to 1pt.wt. chitosan granules.

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